

Claims:

1. A connection coupling for transferring gaseous and/or liquid fluids, especially for filling gas tanks of motor vehicles, comprising a sliding sleeve (18) for locking collet chucks (15) via a connection nipple (30), characterized in that a guide sleeve (38) with longitudinal grooves (37) is arranged between the sliding sleeve (18) and the collet chucks (15) in which the collet chucks (15) are guided.
2. A connection coupling according to claim 1, characterized in that a spacer sleeve (18') is exchangeably fit into sliding sleeve (18).
3. A connection coupling according to claim 1 or 2, characterized in that the collet chucks (15) are inserted into the longitudinal grooves (37) with a low amount of lateral fitting play.
4. A connection coupling according to one of the claims 1 to 3, characterized in that the guide sleeve (38) comprises a centering incline (39) at its front end.
5. A connection coupling according to one of the claims 1 to 4, characterized in that a radially circular annular groove (42) for receiving the radially outer ends of outwardly spread collet chucks (15) are arranged radially outside of the guide sleeve (38).
6. A connection coupling according to claim 5, characterized in that the annular groove (42) is formed in a shoulder between sliding sleeve (18) and spacer sleeve (18').
7. A connection coupling according to one of the claims 1 to 6, characterized in that the guide sleeve (38) is exchangeably fastened with at least one spring-type straight pin (41) to a front housing part (11a).
8. A connection coupling, especially according to claim 1, characterized in that a scraper ring (40) is held radially within the collet chucks (15) around a sealing piston (22).
9. A connection coupling according to one of the claims 1 to 8, characterized in that three collet chucks (15) and three longitudinal grooves (37) are provided in a 120° division in the guide sleeve (38).